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United States Cotton Quality Report For Ginnings 1977 Crop

Vol. 51, No. 6

March 27, 1978

The 1977 upland cotton crop averaged higher in grade and the same in staple length as the 1976 crop, according to the Cotton Division, Agricultural Marketing Service, USDA. The grade index of the 1977 upland crop was 93.1 (grade 31=100) compared with 91.4 for the 1976 crop. Average staple length both years was 33.7 thirty-seconds inches. The average mike reading of this year's crop was 4.4 compared with 4.1 last year. The average strength was 87,400 pounds per square inch, slightly stronger than the 86,200 average psi last year. The supply of cotton this year totaled 16.7 million running bales, the largest since 1968. The sharp increase in supply was due to the biggest crop in 12 years.

Staples. Staples 34 and 35 comprised over 50 percent (7.0 million bales) of upland ginnings this season. This compares with 53 percent (5.5 million bales) last season. The two lengths 32 and 33 accounted for 22 percent (3.1 million bales) this season against 19 percent (2.0 million bales) last season. Staples 31 and shorter comprised 17 percent (2.3 million bales) compared with 16 percent (1.6 million bales) last season. Staples 36 and longer made up 11 percent (1.6 million bales) of this season's ginnings against 12 percent (1.2 million bales) a year ago. Average staple length of the 1976 upland crop was 33.7 thirty-seconds inches compared with 33.7 and 33.6 last season and the previous year, respectively.

Grades. The average grade index of the 1977 upland cotton crop was 93.1 (grade 31=100). This was the highest average grade index since the crop of 1964 and compares with 91.4 a year earlier and 91.8 two years ago. Grades 31 and higher comprised almost 22 percent (3.0 million bales) of 1977-crop ginnings. This was the largest proportion in these higher grades since the crop of 1964 and compares with about 14 percent (1.4 million bales) last year. Grade 41 was the predominant grade in the 1977 crop at almost 29 percent (4.0 million bales) of ginnings compared with 36 percent (3.7 million bales) in the 1976 crop. Cotton in the White grades accounted for almost 71 percent (9.8 million bales) of this season's ginnings, up from 67 percent (6.9 million bales) last season. The Light Spotted grades made up 26 percent (3.7 million bales) this year against 22 percent (2.3 million bales) in 1976. Spotted grades accounted for only two percent (0.3 million bales) of ginnings this season, down from almost 9 percent (0.9 million bales) a year earlier.

Upland Supply. This season's supply of upland cotton (August 1, 1977 carryover plus 1977-crop ginnings) totaled 16.7 million running bales. This compares with 13.8 million a year earlier. The grade distribution shows supplies of grade 41 and higher totaled 9.3 million bales, up from 7.3 million a year ago. This season's supply of the White grades below grade 41 was 2.4 million bales against 2.1 million last season. Supplies of Light Spotted grades totaled 4.2 million bales this year against 3.0 million last year. Spotted grades totaled 0.6 million against 1.1 million a year earlier. Staple distribution showed supplies of staples 31 and shorter at 2.6 million bales compared with 2.1 million a year earlier. Supplies of staples 32 and 33 totaled 3.6 million against 2.5 million last year. Staples 34 and 35 comprised 8.6 million bales of this season's supply compared with 7.5 million a year earlier, while staples 36 and longer made up 1.8 million bales against 1.6 million.

Table 1. Upland cotton in the United States, ginnings and supply, by staple groupings, 1973-1977

Season beginning August 1	Staple								All staple lengths
	Shorter than 32		32 and 33		34 and 35		36 and longer		
	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	
	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales
					Ginnings				
1973	3,019	24	1,945	16	6,810	54	750	6	12,533
1974	1,190	11	1,126	10	7,510	66	1,414	13	11,240
1975	1,674	21	905	11	4,496	55	1,023	13	8,098
1976	1,637	16	1,950	19	5,478	53	1,219	12	10,284
1977 1/	2,304	17	3,060	22	6,996	50	1,563	11	13,923
					Supply				
1973	3,851	23	2,756	17	8,776	54	1,013	6	16,396
1974	2,125	14	1,959	13	9,142	62	1,701	11	14,927
1975	2,317	17	1,694	13	7,829	58	1,671	12	13,511
1976	2,140	16	2,520	18	7,547	54	1,590	12	13,797
1977 1/	2,609	16	3,642	22	8,618	51	1,836	11	16,705

1/ Preliminary.

Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Grade	Code	After December 31			Total crop			Supply			Change in Supply			
		1976	1977	Pct.	1976	1977	Pct.	1976	1977	Pct.	1977 from 1976	Pct.		
White														
G.M.	(11)	-	-	-	142	598	*	*	1	*	**	1,000	+1	+100.0
S.M.	(21)	523	5,363	0.1	1.1	133,550	0.2	1.0	161	0.4	50	1,000	+111	+222.0
M.+	(30)	56	1,563	*	0.3	67,561	*	0.5	79	0.2	23	1,000	+56	+243.5
M.	(31)	24,550	61,650	5.4	12.9	2,823,104	13.6	20.3	3,127	13.8	1,904	1,000	+1,223	+64.2
S.L.M.+	(40)	7,391	22,260	1.6	4.7	970,481	4.3	7.0	1,254	5.6	768	1,000	+486	+63.3
S.L.M.	(41)	63,696	91,374	14.0	19.2	4,020,434	36.4	28.9	4,685	33.0	4,574	1,000	+111	+2.4
L.M.+	(50)	4,097	5,632	0.9	1.2	307,891	2.2	2.2	508	3.5	481	1,000	+27	+5.6
L.M.	(51)	34,759	38,678	7.6	8.1	1,320,744	8.9	9.5	1,595	9.5	1,314	1,000	+281	+21.4
S.G.O.+	(60)	456	284	0.1	0.1	16,522	0.1	0.1	24	0.2	21	1,000	+3	+14.3
S.G.O.	(61)	12,772	17,123	2.8	3.6	162,503	1.3	1.2	224	1.5	212	1,000	+12	+5.7
G.O.+	(70)	-	41	-	*	335	*	*	1	*	1	1,000	0	-
G.O.	(71)	3,989	6,498	0.9	1.4	24,403	0.2	0.2	33	0.2	33	1,000	+2	+6.1
Light Spotted														
G.M.	(12)	-	-	-	-	-	-	-	-	-	-	1,000	-	-
S.M.	(22)	402	698	0.1	0.1	22,232	0.1	0.2	25	0.1	10	1,000	+15	+150.0
M.	(32)	29,900	65,434	6.6	13.7	1,379,446	5.7	9.9	1,540	5.5	763	1,000	+777	+101.8
S.L.M.	(42)	78,260	80,603	17.2	16.9	1,758,200	11.7	12.6	2,051	11.5	1,586	1,000	+465	+29.3
L.M.	(52)	49,737	31,333	10.9	6.6	507,503	4.4	3.6	626	4.6	630	1,000	-4	-0.6
Spotted														
G.M.	(13)	-	3	-	*	17	-	*	**	-	-	1,000	0	-
S.M.	(23)	349	99	0.1	*	1,745	*	*	7	*	6	1,000	+1	+16.7
M.	(33)	16,577	6,049	3.6	1.3	45,682	2.5	0.3	128	2.4	326	1,000	-198	-60.7
S.L.M.	(43)	47,129	12,549	10.4	2.6	163,005	4.4	1.2	301	4.1	560	1,000	-259	-46.3
L.M.	(53)	29,815	10,110	6.6	2.1	108,985	1.9	0.8	164	1.8	252	1,000	-88	-34.9
Tinged 2/	(24-54)	25,129	2,757	5.5	0.6	11,468	1.4	*	58	1.3	174	1,000	-116	-66.7
Stained 2/	(25-35)	309	4	0.1	*	28	*	*	1	0.1	7	1,000	-6	-85.7
Light Gray														
G.M.	(16)	-	-	-	-	-	-	-	-	-	-	1,000	-	-
S.M.	(26)	104	59	*	*	1,804	*	*	2	*	2	1,000	0	-
M.	(36)	539	1,658	0.1	0.3	12,922	0.1	0.1	15	0.1	11	1,000	+4	+36.4
S.L.M.	(46)	483	936	0.1	0.2	5,387	*	*	12	*	5	1,000	+7	+140.0
Gray														
G.M.	(17)	-	-	-	-	-	-	-	-	-	-	1,000	-	-
S.M.	(27)	-	-	-	-	36	-	*	**	-	-	1,000	0	-
M.	(37)	22	29	*	*	426	*	*	1	*	**	1,000	+1	+100.0
S.L.M.	(47)	23	237	*	*	924	*	*	1	*	1	1,000	0	-
Below Grade 3/		24,098	14,274	5.3	3.0	55,292	0.6	0.4	83	0.6	83	1,000	-4	-4.8
All grades		455,165	477,298	100.0	100.0	13,923,228	100.0	100.0	13,797	100.0	13,797	1,000	+2,908	+21.1

1/ Data for current season are preliminary.

2/ Includes all grades.

3/ Bales that are lower in grade than the lowest official standard for the corresponding color group.

* Less than 0.05 percent. ** Less than 500 bales.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple	After December 31			Total crop			Supply			Change in Supply 1977 from 1976
	1976	1977	1976	1976	1977	1976	1976	1977	1976	
26 and shorter	Bales 79	Bales 35	Pct. *	Bales 620	Bales 448	Pct. *	1,000 bales	1,000 bales	1,000 bales	1,000
28	775	278	0.2	8,576	6,788	0.1	25	8	0.2	-1
29	3,117	1,788	0.7	77,381	58,439	0.8	148	77	1.1	-17
30	33,030	16,925	7.3	570,281	631,437	5.5	793	755	5.7	-71
31	83,776	61,890	18.4	980,228	1,607,314	9.5	1,172	1,769	8.5	-38
32	100,063	93,582	22.0	889,689	1,670,337	8.7	1,103	1,925	8.0	+597
33	67,768	73,729	14.9	1,060,401	1,389,265	10.3	1,417	1,717	10.3	+822
34	83,089	105,862	18.3	2,525,523	2,454,201	24.6	3,523	3,340	25.5	+300
35	65,616	93,705	14.4	2,952,766	4,542,115	28.7	4,026	5,278	29.2	-183
36	16,739	28,669	3.7	1,179,927	1,483,366	11.5	1,498	1,706	10.9	+1,252
37	625	211	0.1	33,864	70,489	0.3	72	105	0.5	+208
38	165	291	*	2,078	2,016	*	14	10	0.1	+33
39	131	254	*	925	2,210	*	1	3	*	-4
40 and longer	192	79	*	1,797	4,803	*	4	12	*	+2
All staples	455,165	477,298	100.0	10,284,056	13,923,228	100.0	13,797	16,705	100.0	+2,908
1/ Data for current season are preliminary.										+21.1
* Less than 0.05 percent.										
** Less than 500 bales.										

Table 4. Specified measures of quality for upland ginnings 1/

Item	After December 31		Total crop		Supply	
	1976	1977	1976	1977	1976	1977
Grade index (Mid. White=100)	85.4	90.1	91.4	93.1	91.4	92.7
Average staple, 32nd. inch	32.8	33.2	33.7	33.7	33.7	33.7
Rough preparation, percent	*	0.3	*	0.1	-	-
Tenderable, percent 2/	25.0	48.7	56.1	63.2	-	-
Average mike reading	3.7	4.2	4.1	4.4	-	-
Average fiber strength (Mpsi)	82.7	86.3	86.2	87.4	-	-

1/ Data for current season are preliminary.

2/ Tenderable for grade, staple and mike in settlement of futures contracts.

* Less than 0.05 percent.

Table 5. Percentage distribution of micronaire readings for upland ginnings this season and last season, by states 1/

State	2.6 and below		2.7-2.9		3.0-3.2		3.3-3.4		3.5-3.9		4.0-4.4		4.5-4.9		5.0-5.2		5.3 and above		Totals				Average mike	
	1976	Pct.	1977	Pct.	1976	Pct.	1977	Pct.	1976	Pct.	1977	Pct.	1976	Pct.	1977	Pct.	1976	Pct.	1977	Pct.	1976	Pct.	1977	Pct.
N. C.	-	-	0.2	*	0.5	0.2	1.3	0.3	16.5	1.2	42.7	5.9	33.9	45.6	4.3	31.8	0.6	15.0	2.0	0.5	93.1	52.7	4.9	4.9
S. C.	*	-	0.1	0.2	0.8	1.4	1.1	2.0	6.9	9.9	30.2	16.4	44.6	38.1	14.1	23.3	2.2	8.7	2.0	3.6	81.7	64.4	16.3	32.0
Ga.	*	*	-	0.2	*	1.3	0.2	1.2	1.8	8.9	16.0	23.9	53.7	42.1	22.8	17.3	5.5	5.1	0.2	2.7	71.5	74.9	28.3	22.4
Ala.	0.1	*	0.6	0.2	2.3	0.8	2.6	0.6	12.4	2.9	26.8	14.5	36.7	46.5	13.5	24.3	5.0	10.2	5.6	1.6	75.9	63.9	18.5	34.5
Miss.	*	*	0.5	*	2.2	0.5	2.6	0.5	18.1	3.8	41.3	23.4	30.4	50.4	4.6	18.1	0.3	3.3	5.3	1.0	89.8	77.6	4.9	21.4
Tenn.	0.2	*	1.2	*	3.9	*	4.3	0.2	26.3	4.6	37.4	20.7	24.1	45.2	2.3	17.7	0.3	11.6	9.6	0.2	87.8	70.5	2.6	29.3
Mo.	0.2	-	0.8	-	5.0	*	6.8	0.3	35.0	5.2	38.7	21.0	12.5	37.2	1.0	24.1	*	12.2	12.8	0.3	86.2	63.4	1.0	36.3
Ark.	*	*	0.4	*	2.0	0.2	2.6	0.3	14.0	3.0	30.9	18.5	34.3	53.0	11.8	20.9	4.0	4.1	5.0	0.5	79.2	74.5	15.8	25.0
Ia.	*	*	0.2	0.3	1.3	1.3	1.7	1.4	8.6	5.1	28.2	12.7	42.6	44.4	14.0	28.4	3.4	6.4	3.2	3.0	79.4	62.2	17.4	34.8
Okla.	0.3	*	0.6	0.8	1.4	3.4	1.4	4.0	7.4	18.7	18.7	33.0	32.1	30.3	20.3	7.6	17.8	2.2	3.7	8.2	58.2	82.0	38.1	9.8
Tex.	3.7	*	6.8	0.6	10.2	2.6	7.3	3.6	22.4	20.5	24.9	36.2	17.5	26.9	5.4	6.5	1.8	3.1	28.0	6.8	64.8	83.6	7.2	9.6
N. M.	4.1	*	7.8	0.6	10.8	3.2	8.5	4.6	32.8	33.1	30.6	49.8	5.1	7.8	0.3	0.7	*	0.2	31.2	8.4	68.5	90.7	0.3	0.9
Ariz.	0.6	0.3	1.8	1.3	3.0	2.2	2.1	1.6	7.9	6.6	22.7	19.8	39.5	40.6	18.2	21.2	4.2	6.4	7.5	5.4	70.1	67.0	22.4	27.6
Calif.	0.3	0.1	1.3	1.0	3.1	2.2	4.4	1.8	32.9	16.3	44.8	50.9	11.3	24.4	1.6	2.9	0.3	0.4	9.1	5.1	89.0	91.6	1.9	3.3
Other	0.1	-	*	1.4	0.3	5.6	0.9	7.1	10.2	36.5	35.0	32.9	34.3	8.1	14.4	7.9	4.8	0.5	1.3	14.1	79.5	77.5	19.2	8.4
U. S.	1.3	0.1	2.8	0.6	5.0	1.9	4.5	2.2	21.0	13.7	32.3	32.9	23.9	33.7	7.0	11.4	2.2	3.5	13.6	4.8	77.2	80.3	9.2	14.9

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 6. Percentage distribution of fiber strength for upland cotton ginned, this season and last season, by states 1/

State	Zero Gage Fiber Strength (Mpsi)																		Average strength	
	64 & below		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100 & above		1976	1977
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Mpsi	Mpsi
N. C.	-	-	0.1	-	0.3	0.2	6.5	2.4	40.2	16.9	42.3	47.7	10.4	28.1	0.2	4.7	-	-	84.9	87.7
S. C.	-	-	*	0.2	1.0	0.5	9.7	7.7	41.0	28.0	38.8	39.1	8.9	20.6	0.6	3.7	-	0.2	84.3	86.1
Ga.	-	*	*	*	2.5	2.0	15.5	14.7	39.7	36.5	33.2	31.8	8.7	12.4	0.4	2.4	*	0.2	83.6	84.3
Ala.	-	-	*	0.2	3.4	2.9	23.0	17.2	41.5	38.7	26.3	30.2	5.0	9.2	0.8	1.6	-	*	82.5	83.5
Miss.	-	-	*	*	0.1	0.7	3.3	6.7	25.1	36.0	44.8	38.6	22.6	14.9	3.7	3.0	0.4	0.1	87.0	85.5
Tenn.	-	-	-	*	0.6	0.2	9.5	7.7	44.3	32.2	37.6	40.3	7.9	17.1	0.1	2.3	-	0.2	84.2	85.7
Mo.	-	-	-	-	0.1	1.6	4.6	15.0	36.1	44.9	48.8	28.9	9.7	8.7	0.6	0.7	0.1	0.2	85.3	83.6
Ark.	-	-	-	*	0.1	0.4	4.0	7.2	27.2	32.7	40.9	41.4	22.1	15.8	5.1	2.2	0.6	0.3	86.9	85.7
La.	-	-	*	*	0.6	2.0	4.9	17.9	23.3	42.3	36.2	30.0	24.3	7.1	9.3	0.6	1.4	0.1	87.6	83.3
Okla.	*	*	-	0.2	0.9	2.8	10.7	21.7	37.6	34.3	38.5	27.0	11.0	10.6	1.1	2.8	0.2	0.6	84.6	83.6
Tex.	*	-	0.1	0.1	3.9	0.9	24.6	7.9	40.9	26.6	22.2	33.2	6.3	21.5	1.7	7.7	0.3	2.1	82.5	86.9
N. M.	*	-	*	*	1.4	0.3	8.5	2.4	12.0	8.5	19.1	19.5	26.2	32.0	22.0	24.2	10.8	13.1	90.5	92.4
Ariz.	-	-	*	*	1.4	0.9	16.5	8.1	50.6	28.8	25.6	39.4	5.0	17.5	0.9	4.2	*	1.1	83.0	86.1
Calif.	-	-	*	*	0.1	*	1.1	1.1	6.4	7.8	20.3	23.5	35.4	29.8	28.3	23.3	8.4	14.5	92.5	92.6
U. S.	*	*	*	*	1.6	0.8	11.9	7.4	29.7	26.0	28.3	32.6	17.3	20.1	8.9	8.9	2.3	4.2	86.2	87.4

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 7. Percentage distribution of the grade of upland cotton ginned, this season and last season, by states 1/

State	White										Light Spotted										Other colored	Below Grade		Grade Index 2/						
	SM 21 & higher	M4 30	M 31	SLM+ 40	SLM 41	LM+ 50	LM 51	SGO+ 60 & lower	SM 22 & higher	M 32	SLM 42	LM 52	Other colored		Below Grade															
													Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.										
N. C.	-	-	0.1	-	0.9	0.6	1.6	0.5	47.5	26.5	12.5	6.5	16.6	32.3	1.1	6.0	-	-	0.8	0.2	9.8	14.7	2.3	8.3	6.0	3.8	0.8	0.6	90.0	87.1
S. C.	0.1	0.1	-	-	4.0	3.2	2.7	0.8	37.1	32.1	7.5	3.9	12.9	21.3	1.7	3.0	0.3	*	4.8	2.1	11.0	18.3	3.7	9.1	13.6	5.6	0.6	0.5	90.0	88.5
Ga.	*	*	*	-	0.7	1.4	0.2	0.6	29.4	19.5	4.7	1.4	26.2	10.5	2.7	1.8	*	*	1.3	4.3	17.8	30.0	9.4	14.3	6.5	14.2	1.1	2.0	87.5	86.6
Ala.	0.1	0.1	*	-	4.4	1.8	2.5	0.3	45.9	13.5	3.7	0.4	10.9	3.5	1.4	0.4	*	0.2	2.5	5.0	13.0	35.3	4.6	11.9	10.1	26.1	0.9	1.5	90.0	86.3
Miss.	0.2	*	*	*	8.2	2.0	1.8	1.5	54.2	33.2	3.6	4.2	20.1	35.7	2.8	5.6	*	*	1.0	0.5	4.8	9.0	2.0	6.1	0.9	1.5	0.4	0.7	91.4	88.0
Tenn.	0.3	0.1	-	*	10.6	3.9	1.8	1.7	38.5	24.3	2.4	1.7	10.7	12.3	1.5	2.3	0.1	*	4.4	2.2	14.7	26.1	5.7	17.1	8.2	6.3	1.1	2.0	90.6	87.4
Mo.	0.3	*	-	-	13.5	1.0	1.6	0.2	41.6	29.7	3.7	2.5	6.8	15.9	0.8	1.3	*	-	5.7	2.2	12.1	28.5	3.7	10.5	9.3	7.4	0.9	0.8	91.6	88.2
Ark.	0.1	*	*	*	13.0	2.6	3.0	1.8	56.4	38.5	4.1	4.6	11.3	19.0	1.0	1.5	*	*	1.9	1.4	6.4	20.4	1.3	6.9	1.4	3.0	0.1	0.3	92.9	89.6
La.	0.2	0.2	0.1	*	20.7	13.4	2.4	1.7	55.3	49.3	2.7	3.1	9.5	10.8	1.3	2.0	*	*	1.9	3.4	4.3	11.6	1.0	2.8	0.5	1.4	0.1	0.3	93.8	92.3
Okla.	*	0.1	-	*	1.9	4.7	0.2	1.3	6.3	13.6	0.5	0.9	3.9	7.7	0.8	1.2	0.1	0.1	15.1	13.0	34.0	36.7	9.5	12.6	27.0	7.6	0.7	0.5	88.1	88.9
Tex.	0.1	1.0	*	0.1	4.2	23.1	0.4	5.8	14.6	25.8	0.3	1.8	6.8	3.5	1.5	0.6	0.1	0.3	11.9	20.5	24.0	14.0	9.3	1.7	26.3	1.7	0.5	0.1	88.3	94.7
N. M.	1.4	0.9	*	*	26.0	23.4	9.6	7.5	20.6	34.0	2.8	5.5	3.9	2.9	1.5	0.7	0.4	*	8.9	11.9	7.6	10.3	1.9	1.5	14.0	1.0	1.4	0.4	92.8	94.5
Ariz.	0.6	0.7	-	0.7	28.6	20.4	4.6	3.5	37.4	48.2	1.7	1.7	4.3	6.6	1.2	1.8	0.1	0.1	9.0	4.1	6.7	7.0	2.6	3.0	1.0	1.0	2.2	1.2	94.0	93.3
Calif.	0.4	2.5	*	2.1	26.3	42.1	12.4	20.0	46.8	21.2	2.4	1.2	5.6	2.8	1.6	0.6	*	0.1	0.9	3.4	1.6	2.5	0.8	0.8	0.9	0.6	0.3	0.1	94.8	96.9
Other	3.4	2.3	-	1.1	11.0	14.9	4.8	1.7	52.9	27.4	1.7	2.5	8.0	17.0	0.6	1.3	-	-	1.2	0.3	9.4	20.1	1.5	9.1	5.1	2.0	0.4	0.3	92.8	90.8
U. S.	0.2	1.0	*	0.5	13.6	20.3	4.3	7.0	36.4	28.9	2.2	2.2	8.9	9.5	1.6	1.5	0.1	0.2	5.7	9.9	11.7	12.6	4.4	3.6	10.3	2.4	0.6	0.4	91.4	93.1

1/ Data for current season are preliminary.

2/ Middling White equals 100.

* Less than 0.05 percent.

Table 9. Percentage of ginnings reduced in grade, by specified causes, this season and last season, by states 1/

State	Grade reductions							
	Grass		Bark		Other causes		Total reductions	
	1976	1977	1976	1977	1976	1977	1976	1977
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
North Carolina	6.1	7.5	0.2	*	*	*	6.3	7.5
South Carolina	10.2	11.7	1.4	0.6	*	*	11.6	12.3
Georgia	1.3	7.2	8.1	1.7	*	0.1	9.4	9.0
Alabama	9.6	3.5	0.8	1.9	*	*	10.4	5.4
Mississippi	7.6	6.1	1.1	2.1	*	*	8.7	8.2
Tennessee	10.2	3.7	1.5	1.6	*	*	11.7	5.3
Missouri	1.1	0.5	0.7	1.0	*	*	1.8	1.5
Arkansas	3.0	3.4	0.4	0.6	*	*	3.4	4.0
Louisiana	6.0	6.1	1.5	2.1	*	*	7.5	8.2
Oklahoma	1.2	1.4	17.2	15.7	-	*	18.4	17.1
Texas	1.3	3.3	30.7	1.7	*	*	32.0	5.0
New Mexico	1.1	1.4	12.5	2.9	0.1	0.2	13.7	4.5
Arizona	2.0	1.9	5.5	4.6	0.1	0.2	7.6	6.7
California	2.7	2.9	0.9	0.4	*	0.1	3.6	3.4
Other	5.2	4.9	0.8	5.3	-	-	6.0	10.2
United States	3.4	3.5	11.1	2.1	*	0.1	14.5	5.7

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 10. American Pima cotton ginned in the United States, by grade and staple 1/

Grade and Staple	Code	After December 31				Total crop			
		1976	1977	1976	1977	1976	1977	1976	1977
Grade		Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.
1	(10)	-	-	-	-	5	-	*	-
2	(20)	-	-	-	-	1,237	120	2.0	0.1
3	(30)	873	223	16.5	1.3	17,949	16,905	28.5	15.5
4	(40)	2,109	6,985	39.9	41.0	34,601	68,266	54.8	62.9
5	(50)	759	4,603	14.4	27.0	6,541	16,522	10.4	15.2
6	(60)	537	2,687	10.2	15.7	1,462	3,969	2.3	3.6
7	(70)	510	1,263	9.6	7.4	665	1,525	1.1	1.4
8	(80)	322	925	6.1	5.4	344	995	0.5	0.9
9	(90)	124	260	2.3	1.5	162	349	0.3	0.3
10	(00)	52	125	1.0	0.7	81	135	0.1	0.1
Total		5,286	17,071	100.0	100.0	63,047	108,786	100.0	100.0
Staple									
40 and shorter		14	18	0.3	0.1	14	18	*	*
42		1,095	1,424	20.7	8.3	1,315	1,816	2.1	1.7
44		2,211	8,351	41.8	49.0	37,219	50,069	59.0	46.0
46		1,966	7,278	37.2	42.6	24,499	56,883	38.9	52.3
48 and longer		-	-	-	-	-	-	-	-
Total		5,286	17,071	100.0	100.0	63,047	108,786	100.0	100.0

1/ Data for current season are preliminary.

* Less than 0.05 percent.

Table 11. Percentage distribution of micronaire readings for American Pima ginned in the United States, this season and last season, by states 1/

Readings	State						United States	
	Texas		New Mexico		Arizona			
	1976	1977	1976	1977	1976	1977	1976	1977
	<u>Percent</u>		<u>Percent</u>		<u>Percent</u>		<u>Percent</u>	
2.4 and below	0.1	-	0.7	-	-	-	▪	-
2.5	0.7	-	0.6	-	-	-	0.1	-
2.6	1.2	-	0.1	-	▪	-	0.2	-
2.7	1.2	0.2	3.5	0.3	0.1	▪	0.4	0.1
2.8	2.1	0.2	1.6	0.9	0.2	▪	0.6	0.1
2.9	2.3	0.8	2.7	1.6	0.3	0.1	0.7	0.4
3.0	2.9	0.8	2.9	2.1	0.6	0.5	1.1	0.7
3.1	3.4	1.6	3.2	3.3	0.9	0.8	1.4	1.2
3.2	4.7	2.1	4.7	5.0	1.2	1.2	1.9	1.7
3.3	4.9	2.8	5.3	5.0	1.7	1.5	2.4	2.2
3.4	6.0	4.3	4.1	7.8	2.1	2.3	2.8	3.3
3.5	8.9	6.7	4.7	13.3	5.3	5.8	5.9	6.5
3.6	10.4	8.7	6.1	11.5	6.8	8.1	7.4	8.5
3.7	8.6	11.1	8.1	12.8	7.2	9.4	7.5	10.2
3.8	9.3	12.7	8.6	10.8	10.8	14.9	10.5	13.7
3.9	6.5	13.5	9.9	7.3	12.0	13.2	11.0	13.0
4.0	6.9	12.1	8.4	7.5	14.1	14.3	12.8	13.2
4.1	6.0	9.2	8.1	6.9	12.0	10.3	10.8	9.7
4.2	5.1	6.6	6.3	1.9	11.1	9.3	9.9	8.0
4.3	3.5	3.2	2.1	1.3	5.8	4.2	5.2	3.7
4.4	2.9	1.9	3.4	0.7	5.0	2.9	4.6	2.5
4.5	1.7	1.1	0.8	-	1.8	0.9	1.7	1.0
4.6	0.7	0.3	4.1	-	0.5	0.2	0.7	0.2
4.7	-	0.1	-	-	0.1	0.1	0.1	0.1
4.8	-	▪	-	-	0.4	-	0.3	▪
4.9	-	▪	-	-	▪	-	▪	▪
5.0 and above	-	-	-	-	-	-	-	-
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Average mike	3.7	3.8	3.7	3.6	3.9	3.9	3.9	3.8

1/ Data for current season are preliminary.

▪ Less than 0.05 percent.

Table 12. Percentage distribution of upland cotton by specified grades,
by seasons, 1966-1977 ^{1/}

Grade		Season											
	Code	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
<u>White:</u>		<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>	<u>Pct.</u>
S. M.													
and higher	(21)	1.3	1.2	1.1	0.5	0.5	0.3	0.2	0.5	0.2	0.5	0.2	1.0
M.+	(30)	■	■	■	■	■	■	■	■	■	■	■	0.5
M.	(31)	16.5	18.8	16.4	14.4	14.4	12.7	8.2	18.1	12.2	18.1	13.6	20.3
S. L. M.+	(40)	1.1	1.3	1.5	1.7	0.8	1.4	1.5	1.5	3.6	5.1	4.3	7.0
S. L. M.	(41)	28.6	33.7	38.5	38.0	34.0	33.3	32.3	38.9	37.7	30.0	36.4	28.9
L. M.+	(50)	1.9	1.7	2.0	1.7	1.1	1.2	1.5	1.4	2.1	1.8	2.2	2.2
L. M.	(51)	7.8	7.6	11.8	12.6	17.7	16.0	24.2	15.4	20.3	14.0	10.5	11.0
and lower													
<u>Light Spotted:</u>													
S. M.													
and higher	(22)	0.3	0.4	0.2	0.1	■	■	■	■	■	0.1	0.1	0.2
M.	(32)	11.2	13.2	9.3	5.1	9.1	4.1	3.7	7.6	2.6	5.4	5.7	9.9
S. L. M.	(42)	15.6	11.4	12.2	13.9	13.6	13.8	13.7	10.4	12.1	13.7	11.7	12.6
L. M.	(52)	4.5	3.3	2.9	5.5	4.6	10.1	6.2	3.9	6.1	5.7	4.4	3.6
<u>Spotted:</u>		8.7	5.2	2.9	3.7	3.1	5.4	5.4	1.7	2.3	4.6	8.8	2.3
Other Colored <u>2/</u>		2.5	2.2	1.2	2.8	1.1	1.7	3.1	0.6	0.8	1.0	2.1	0.5
Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^{1/} Data for 1977 are preliminary.

^{2/} Includes Below Grade.

■ Less than 0.05 percent.

Table 13. Percentage distribution of upland cotton by specified staples,
by seasons, 1966-1977 ^{1/}

Staple	Season											
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
26 and shorter	0.1	■	■	0.1	■	0.1	*	*	■	■	*	■
28	1.0	0.6	0.1	1.3	0.4	0.6	0.1	0.2	0.1	0.8	0.1	■
29	6.8	4.6	1.1	4.2	3.5	3.3	1.2	1.9	0.6	3.6	0.8	0.4
30	14.5	10.6	7.0	6.4	10.4	9.1	6.1	9.6	3.8	7.7	5.5	4.5
31	4.6	7.3	6.9	5.1	5.8	5.1	9.0	12.2	6.1	8.6	9.5	11.5
32	3.8	5.3	7.2	5.6	5.2	3.1	8.7	8.8	5.3	6.4	8.7	12.0
33	13.5	9.7	8.5	10.5	10.1	5.3	10.0	6.7	4.7	4.8	10.3	10.0
34	34.8	28.7	26.0	31.0	37.6	25.0	35.7	29.1	22.6	19.1	24.6	17.6
35	16.8	23.0	26.4	28.9	19.9	32.8	21.7	25.4	44.2	36.4	28.7	32.8
36 and longer	4.1	10.2	16.8	6.9	7.1	15.6	7.5	6.1	12.6	12.6	11.8	11.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

^{1/} Data for 1977 are preliminary.

■ Less than 0.05 percent.

Table 14. Cotton: Grade index, by states, United States, 5-year averages, 1943-72 and by seasons, 1973-1977 ^{1/}

State	5-year averages						1973	1974	1975	1976	1977*
	1943-47	1948-52	1953-57	1958-62	1963-67	1968-72					
N. Carolina	91.3	93.1	91.7	94.4	91.7	88.4	88.7	87.6	85.2	90.0	87.1
S. Carolina	92.9	93.5	93.9	95.6	92.4	87.9	88.1	88.4	86.7	90.0	88.5
Georgia	95.2	95.4	95.1	95.8	91.0	87.7	88.0	86.2	85.8	87.5	86.6
Florida	95.7	95.7	95.2	92.5	90.0	88.5	88.3	88.9	87.3	-	-
Alabama	96.9	96.1	95.7	96.3	92.7	90.4	89.5	90.1	89.0	90.0	86.3
Mississippi	96.2	96.5	95.2	95.5	94.4	90.8	89.9	89.2	88.7	91.4	88.0
Tennessee	93.9	94.8	95.9	96.5	94.2	91.9	91.5	89.6	90.1	90.6	87.4
Missouri	90.1	91.4	93.6	94.1	92.4	92.1	92.2	91.1	91.6	91.6	88.2
Arkansas	93.9	93.8	94.6	94.2	92.2	91.2	91.1	90.6	92.1	92.9	89.6
Louisiana	96.2	97.0	94.4	94.9	94.4	92.5	90.3	90.6	92.3	93.8	92.3
Oklahoma	90.6	93.8	90.7	92.3	90.7	89.0	91.6	87.2	86.6	88.1	88.9
Texas	94.3	94.9	93.0	94.8	92.4	88.5	92.8	88.3	89.3	88.3	94.7
New Mexico	97.6	97.4	97.1	98.7	96.7	93.9	96.5	91.7	95.3	92.8	94.5
Arizona	93.4	96.3	96.2	96.5	92.7	93.8	96.5	92.4	96.3	94.0	93.3
California	96.9	94.8	94.3	97.8	94.1	94.8	96.1	95.2	96.9	94.8	96.9
U. S.	94.6	94.9	94.3	95.5	93.1	90.8	92.3	90.8	91.8	91.4	93.1

^{1/} Computed by weighting the quantity in each grade by the 1937-39 average price per pound for such grade of 15/16" staple. Converted to an index on basis Middling White equals 100. For 1958 and subsequent years, constants for Plus, Light Spotted and Light Gray set at mid-points between full grade weights.

* Preliminary

Table 15. Cotton: Average staple length in thirty-seconds inches, by states, United States 5-year averages, 1943-72 and by seasons, 1973-1977 ^{1/}

State	5-year averages						1973	1974	1975	1976	1977*
	1943-47	1948-52	1953-57	1958-62	1963-67	1968-72					
N. Carolina	32.6	33.0	32.8	33.3	33.6	34.2	34.8	35.4	34.6	35.3	34.9
S. Carolina	32.8	32.8	32.9	33.4	33.8	34.5	34.8	35.0	34.6	35.1	35.3
Georgia	32.0	32.6	32.7	33.1	33.2	33.7	34.1	34.0	34.0	34.6	34.0
Florida	32.7	33.0	32.9	32.8	33.0	33.7	34.0	34.1	34.0	-	-
Alabama	31.8	32.8	32.7	33.3	33.2	33.7	33.6	34.2	33.7	33.8	33.6
Mississippi	33.7	34.0	33.7	33.8	34.1	34.6	34.4	34.7	34.7	34.1	34.8
Tennessee	32.5	33.1	33.1	33.6	33.8	33.9	33.8	34.4	34.1	33.6	33.6
Missouri	33.2	33.5	33.5	33.8	34.0	34.4	34.1	35.1	34.6	34.3	34.4
Arkansas	32.7	33.2	33.3	33.8	34.1	34.5	34.3	34.9	34.7	34.2	34.8
Louisiana	32.9	33.8	33.5	33.6	33.8	34.3	34.2	34.6	34.7	34.1	34.7
Oklahoma	29.0	29.1	29.5	30.8	30.5	31.5	31.7	31.9	31.9	31.2	32.5
Texas	29.7	30.0	30.6	31.2	30.8	31.6	31.3	32.1	31.0	31.8	31.9
New Mexico	34.4	34.2	34.6	35.2	35.8	35.8	34.8	35.9	35.2	35.3	35.6
Arizona	32.8	33.2	33.5	33.7	33.6	34.2	34.6	34.7	34.7	34.7	34.6
California	33.7	33.8	34.1	34.1	34.5	35.4	35.3	35.3	35.4	35.3	35.3
U. S.	32.0	32.3	32.5	32.8	32.9	33.6	33.3	34.2	33.6	33.7	33.7

^{1/} Averages calculated on numerical equivalents of the staple length designations; for example, 29/32" = 29.

* Preliminary.

Table 16. Grade indexes and average staples of carryover, crop and supply of upland cotton, 1955-1977

Year	Grade indexes <u>1/</u>			Average staples <u>2/</u>		
	Carryover	Crop	Supply	Carryover	Crop	Supply
1955	95.9	93.2	94.3	32.2	32.6	32.4
1956	94.0	96.0	95.0	32.2	32.7	32.4
1957	91.9	91.7	91.8	32.0	32.6	32.3
1958	91.1	96.7	94.3	31.7	32.8	32.3
1959	95.0	95.8	95.5	31.9	32.8	32.5
1960	97.9	95.4	96.2	33.0	32.9	32.9
1961	97.6	95.7	96.3	33.3	32.9	33.0
1962	96.9	93.9	94.9	33.2	32.8	33.0
1963	95.5	94.6	94.9	32.7	32.7	32.7
1964	95.3	93.2	94.1	32.3	32.8	32.6
1965	94.8	93.0	93.9	32.4	32.8	32.6
1966	92.9	92.0	92.6	32.1	33.0	32.4
1967	93.1	92.8	93.0	32.1	33.4	32.6
1968	92.6	92.6	92.6	32.5	33.9	33.4
1969	93.2	91.0	91.9	33.8	33.5	33.6
1970	93.4	91.6	92.2	34.0	33.4	33.6
1971	94.5	89.9	91.2	34.2	33.8	33.9
1972	90.7	89.2	89.5	33.4	33.5	33.5
1973	88.8	92.3	91.5	33.2	33.3	33.3
1974	92.8	90.8	91.2	33.1	34.2	33.9
1975	91.2	91.8	91.6	33.9	33.6	33.8
1976	91.3	91.4	91.4	33.8	33.7	33.7
1977*	91.0	93.1	92.7	33.8	33.7	33.7

1/ Middling White equals 100. For 1958 and subsequent years, constants for Plus, Light Spotted and Light Gray set at mid-points between full grade weights.

2/ Expressed in thirty-seconds of an inch.

* Preliminary.

Estimated grade and staple of upland cotton ginned in the United States, 1977 crop 1/

March 27, 1978

Grade	Code	Staple														All staples	
		26 and shorter	28	29	30	31	32	33	34	35	36	37	38	39	40 and longer	Bales	Percent
White:		Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	Bales	
G.M.	(11)	-	-	43	64	32	7	-	10	288	131	23	-	-	-	598	*
S.M.	(21)	-	303	2,549	15,827	17,313	10,284	5,283	9,187	48,455	24,195	154	-	-	-	133,550	1.0
M.+	(30)	-	31	34	552	1,177	870	671	3,520	39,429	21,245	32	-	-	-	67,561	0.5
M.	(31)	64	1,546	16,174	180,686	413,757	308,454	206,516	321,110	915,114	449,061	9,545	67	292	718	2,823,104	20.3
S.L.M.+	(40)	-	224	1,863	23,439	78,210	77,603	71,360	83,034	325,999	301,240	6,052	81	237	1,139	970,481	7.0
S.L.M.	(41)	73	767	7,494	88,809	313,862	391,256	361,964	797,776	1,604,825	419,012	29,942	897	1,150	2,607	4,020,434	28.9
L.M.+	(50)	13	79	556	5,241	16,732	21,837	23,098	57,646	133,752	43,088	5,656	63	90	40	307,891	2.2
L.M.	(51)	7	53	797	7,264	29,811	49,801	91,479	315,605	702,272	119,313	4,195	113	13	21	1,320,744	9.5
S.G.O.+	(60)	-	21	-	288	791	1,308	933	3,070	8,062	2,009	40	-	-	-	16,522	0.1
S.G.O.	(61)	-	37	62	847	3,664	7,581	19,336	51,040	70,605	9,075	202	47	7	-	162,503	1.2
G.O.+	(70)	-	-	-	11	11	47	7	124	83	52	-	-	-	-	335	*
G.O.	(71)	-	7	13	212	712	2,257	3,804	10,140	6,641	617	-	-	-	-	24,403	0.2
Light Spotted:																	
G.M.	(12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.M.	(22)	-	288	1,480	6,928	5,811	2,028	1,290	1,733	2,280	394	-	-	-	-	22,232	0.2
M.	(32)	98	1,476	15,403	185,980	430,311	366,460	134,840	133,476	86,052	18,951	5,907	131	235	126	1,379,446	9.9
S.L.M.	(42)	20	680	6,992	83,871	234,557	319,467	261,944	393,547	397,998	50,762	7,624	439	160	139	1,758,200	12.6
L.M.	(52)	-	210	896	9,536	25,203	55,356	100,803	158,069	138,127	18,426	721	130	26	-	507,503	3.6
Spotted:																	
G.M.	(13)	-	-	-	-	3	-	-	-	-	14	-	-	-	-	17	*
S.M.	(23)	-	37	104	308	307	265	403	107	136	78	-	-	-	-	1,745	*
M.	(33)	20	129	1,046	7,505	11,924	9,339	7,255	4,672	3,158	595	39	-	-	-	45,682	0.3
S.L.M.	(43)	8	297	1,299	8,050	14,020	18,707	40,766	48,952	28,163	2,531	201	11	-	-	163,005	1.2
L.M.	(53)	65	154	504	2,290	4,163	14,015	36,171	34,410	15,497	1,602	101	13	-	-	108,985	0.8
Tinged:																	
S.M.	(24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.	(34)	-	24	100	266	326	239	197	138	94	8	-	-	-	-	1,392	*
S.L.M.	(44)	19	130	465	644	565	725	1,291	948	519	23	-	-	-	-	5,329	*
L.M.	(54)	28	101	124	202	241	949	1,818	1,068	203	13	-	-	-	-	4,747	*
Stained:																	
S.M.	(25)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.	(35)	-	-	-	4	-	7	-	-	17	-	-	-	-	-	28	*
Light Gray:																	
G.M.	(16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.M.	(26)	-	-	-	-	21	52	419	515	697	100	-	-	-	-	1,804	*
M.	(36)	-	-	25	70	112	231	1,817	5,439	4,856	348	11	-	-	13	12,922	0.1
S.L.M.	(46)	-	-	-	21	65	382	1,532	1,923	1,418	46	-	-	-	-	5,387	*
Gray:																	
G.M.	(17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.M.	(27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	*
M.	(37)	-	-	-	30	11	36	21	15	104	-	-	-	-	-	426	*
S.L.M.	(47)	-	-	11	21	18	178	304	279	113	-	-	-	-	-	924	*
Below Grade	33	194	405	2,471	3,584	10,596	13,897	16,449	7,158	437	44	24	-	-	-	55,292	0.4
All grades	448	6,788	58,439	631,437	1,607,314	1,670,337	1,389,265	2,454,201	4,542,115	1,483,366	70,489	2,016	2,210	4,803	13,923,228 2/	100.0	
Percent	*	*	0.4	4.5	11.5	12.0	10.0	17.6	32.8	10.7	0.5	*	*	*	*	100.0	

1/ Preliminary.
2/ As reported by the Bureau of the Census.
* Less than 0.05 percent.

Grade index 93.1
Average staple 33.7
Percentage of rough preparation 0.1
Percent tenderable 63.2

Estimated grade and staple of American Pima cotton ginned in the United States
1977 crop 1/

Grade Code	Staple						All staples	
	40 and shorter	42	44	46	48	50 and longer		
	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Pct.</u>
1 (10)	-	-	-	-	-	-	-	-
2 (20)	-	-	76	44	-	-	120	0.1
3 (30)	-	-	7,641	9,264	-	-	16,905	15.5
4 (40)	-	-	28,598	39,668	-	-	68,266	62.9
5 (50)	-	17	10,019	6,486	-	-	16,522	15.2
6 (60)	-	223	2,543	1,203	-	-	3,969	3.6
7 (70)	-	604	753	168	-	-	1,525	1.4
8 (80)	-	696	263	36	-	-	995	0.9
9 (90)	-	209	133	7	-	-	349	0.3
10 (00)	18	67	43	7	-	-	135	0.1
All grades	18	1,816	50,069	56,883	-	-	108,786	<u>2</u> /100.0
Percent	*	1.7	46.0	52.3	-	-		100.0

1/ Preliminary.

Average grade . . 4.2

2/ As reported by the Bureau of the Census.

Average staple . 45.0

* Less than 0.05 percent.